said opening, said first projection portion engages an end surface of said ring member." See, e.g., Appl'n, **Fig. 8** (emphasis added.) For example, Applicant's specification describes that an electromagnetic assembly 17 may comprise a connector 15, a coil bobbin 3, and a ring case 4. Connector 15 may comprise a projection portion $15a_3$, coil bobbin 3 may comprise a ring member 1, and ring case 4 may have an opening 4a formed therethrough. Opening 4a may be adapted to receive projection portion $15a_3$ of connector 15, such that projection portion $15a_3$ may engage an end surface of ring member 1. Projection portion $15a_3$ subsequently may be fixed adhesively, e.g., by high frequency adhesion, ultrasonic adhesion, or the like, to the end surface of ring member 1. See, e.g., Appl'n, Page 6, Lines 7-18.

In contrast, AAPA describes an electromagnetic assembly 7 comprising a connector 5, a coil bobbin 3, and a ring case 4. Connector 5 may comprise a case 5a and a projection portion $5a_3$. Coil bobbin 3 may comprise a ring member 1 and ring case 4 may have an opening 4a formed therethrough. Opening 4a may be adapted to receive projection portion $5a_3$ of connector 5, such that a gap is formed between projection portion $5a_3$ and an end surface of ring case 4. Moreover, case 5a is fixed to ring case 4 by a pair of hooks 10a, and coil bobbin 3 is fixed to ring case 4 by resin 13 poured into ring case 4. An O-ring 11, which is positioned between case 5a and the closed end of ring case 4, prevents resin 13 from leaking outside the closed end surface of ring case 4 through a gap formed between projection portion $5a_3$ and case 5a. As such, resin 13 fills the gap between projection portion $5a_3$ and the end surface of ring case 4. See, e.g., Appl'n, Page 1, Lines 24-31; Page 2, Lines 16-21; and **Fig. 4**.

Nevertheless, because a gap is formed between projection portion $5a_3$ and the end surface of ring case 4, projection portion $5a_3$ does not engage the end surface of ring case 4 when projection portion $5a_3$ is inserted in opening 4a. Thus, AAPA fails at least to describe an electromagnetic assembly comprising a connector disposed on the ring case, wherein the connector comprises a first projection portion and when the first projection portion is inserted into the opening, the first projection portion engages an end surface of the ring member, as described in amended claim 1. Therefore, Applicant respectfully requests that the Examiner withdraw the anticipation rejection of amended claim 1.

Claim 4 depends from amended claim 1. Therefore, Applicant respectfully requests that the Examiner also withdraw the anticipation rejection of claim 14.

3. 35 U.S.C. § 103(a)

Claim 2 stands rejected as allegedly rendered obvious by AAPA in view of Ishimaru. Nevertheless, as described above, Applicant maintains that AAPA fails at least to describe an electromagnetic assembly comprising a connector disposed on the ring case, wherein the connector comprises a first projection portion and when the first projection portion is inserted into the opening, the first projection portion engages an end surface of the ring member, as described in amended claim 1. Moreover, the Office Action does not allege that Ishimaru or any other reference discloses or suggests these missing elements. Claim 2 depends from amended claim 1. "If an independent claim is non-obvious under 35 U.S.C. 103, then any claim depending therefrom is nonobvious." MPEP 2143.03 (citations omitted). Therefore, Applicant respectfully requests that the Examiner withdraw the obviousness rejection of claim 2.

## CONCLUSION

Applicant respectfully submits that this application is in condition for allowance, and such disposition is earnestly solicited. If the Examiner believes that an interview with Applicant's representatives, either in person or by telephone, would expedite prosecution of this application, we would welcome such an opportunity. Applicant believes that no fees are due as a result of this responsive amendment. Nevertheless, in the event of any variance between the fees determined by Applicant and those determined by the U.S. Patent and Trademark Office, please

charge any such variance to the undersigned's Deposit Account No. 02-0375.

Respectfully submitted,

BAKER BOTTS LLP

Dated: May 14, 2002

By: _____
Timothy J. Churnia
Registration No. 48,340

Baker Botts LLP
The Warner; Suite 1300
1299 Pennsylvania Avenue, N.W.
Washington, D.C. 20004-2400
(202) 639-7700 (telephone)
(202) 639-7890 (facsimile)

JBA/TJC/dh

Enclosure

MARKED-UP COPY OF AMENDMENTS TO THE CLAIMS

IN THE CLAIMS:

Please amend original claim 1, as follows:

1. (amended) An electromagnetic assembly for an electromagnetic apparatus comprising:

a ring member comprising a tubular spool with a pair of annular flanges projecting radially from said spool;

a coil bobbin comprising said ring member and an electrical wire, said electrical wire wound around said spool between said flanges;

a ring case comprising an annular groove, which has an open edge, said coil bobbin disposed in said annular groove;

an opening formed through said ring case adjacent to a closed end surface of said ring case;

a connector disposed on said ring case adjacent to said closed end surface, such that said connector covers said opening, wherein said connector comprises a first projection portion; and

a first end and a second end of said electrical wire, and a first lead wire and a second lead wire of an electric circuit connected to said first and said second ends, respectively in said connector, wherein [a] when said first projection portion [formed on said connector] is inserted into said opening, [and is fixed adhesively to] said first projection portion engages an end surface of said ring member.